Northwest Science

Volume 52, 1978

Adolph Hecht, Editor

Published by Northwest Scientific Association and Washington State University Press

Contents

Number 1 (February)

Fungus Consumption (Mycophagy) by Small Animals 1
Robert Fogel and James M. Trappe

Unusual Occurrence of Pink Salmon (**Oncorhynchus gorbuscha**) 32
in the Snake River of Southeastern Washington
Larry Basham and Lyle Gilbreath

Plant Ecology and Natural History of Chowder Ridge, 35
Mt. Baker: A Potential Alpine Research Natural Area in
the Western North Cascades
Ronald J. Taylor and George W. Douglas

Freshwater Triclads (**Turbellaria**) of Washington 51
Stuart E. Nixon

Food Habits of Jumping Mice (**Zapus trinotatus** and 57
Z. princeps) in Western North America
Gwilym S. Jones, John O. Whitaker, Jr., and Chris Maser

Avifaunal Survey of the Trojan Nuclear Power Station 61
W. H. Rickard and R. E. Fitzner

A Study of Climax Western Redcedar (**Thuja plicata** Donn.) 67
Forest Communities in the Selway-Bitterroot Wilderness, Idaho
James R. Habeck

Number 2 (May)

Grizzly Bears in the Southern Selkirk Mountains 77
Earle F. Layser

Effects of Controlled Slash Burning on the Mountain 92
Beaver (**Aplodontia rufa rufa**)
Di Anne Motobu

Invertebrate Density and Biomass Distribution Patterns in 100
an Old-Field Community in South-Central Washington
Lee E. Rogers and Norman E. Woodley

Herpetological Survey at the Trojan Nuclear Plant, Oregon 104
R. E. Fitzner, W. H. Rickard, and D. E. Clark

Occurrence of a Wild Albino Chinook Salmon 108
(**Oncorhynchus tshawytscha**) in the Columbia River
D. D. Dauble, R. T. Gray, R. W. Hanf, and T. M. Poston

Balsamorhiza rosea and **Eriogonum thymoides** in Benton County, Washington, 1976
W. H. Rickard, Betty Klepper, R. H. Sauer, and J. M. Thorp 110

Bottom Fauna as an Indicator of Lake Typology in Flathead Lake, Montana
Robert L. Newell, Darell L. Andersen, and Delano A. Hanzel 119

Limnological Investigation of Eutrophic Medical Lake, Washington
Larry R. Bauman and Raymond A. Soltero 127

Vegetation on the Stikine Flats, Southeast Alaska
Roger del Moral and Alan F. Watson 137

Association News 150

Number 3, Part 1 (August)

Annual Variation in the Flowering of **Agropyron spicatum** near Clarkston, Washington
R. Daubenmire 153

Plant Succession on the **Alnus rubra/Rubus spectabilis** Habitat Type in Western Oregon
Jan A. Henderson 156

Auxin Regulation of Branch Abscission by Aspen (**Populus tremuloides**, Michx.)
T. Weaver 168

Argumentation, Imagery, and the Original Vertebrate Habitat
Dan Guthrie 171

Frost Tolerance in Seedlings of **Vaccinium membranaceum**, **Vaccinium globulare**, and **Vaccinium deliciosum**
Don Minore and Alan W. Smart 179

Response of the Spokane River Diatom Community to Primary Sewage Effluent
Phil H. Williams and Raymond Soltero 186

Variation within the Sagebrush Vegetation of Grand Teton National Park, Wyoming
Darold W. Sabinske and Dennis H. Knight 195

New Plant Records for Idaho from Pacific Coastal Refugia
Frederic D. Johnson and Robert Steele 205

Relationship of Cover Type to Altitude, Aspect, and Substrate in the Bridger Range, Montana
T. Weaver and D. Perry 212

Contributions to the Flora of Washington. III
Ronald J. Taylor, Dorothy B. Naas, Ralph W. Naas, and George W. Douglas 220

Food Habits of Rocky Mountain Whitefish (**Prosopium williamsoni**) from the Teton River in Relation to Their Age and Growth
C. Kerry Overton, Douglas A. Grove, and Donald W. Johnson 226

Number 3, Part 2 (August)

Black-tailed Deer (**Odocoileus hemonius columbianus**) and Forest Reproduction: Blake Island Marine State Park, Washington 233
Michael Amaral

Coelozoic Myxosporida of Fishes of Western Montana: Genus **Chloromyxum** 236
Lawrence G. Mitchell

Observations on the Diets of **Rana pretiosa, Rana pipiens,** and **Bufo boreas** from Western Montana 243
J. D. Miller

Gravity Survey of the Cheney Quadrangle, Washington 250
Carl R. Yost and William K. Steele

Osprey Distribution, Abundance, and Status in Western North America: I. The Northern California Population 261
Charles J. Henny, David J. Dunaway, Robert D. Mallette, and James R. Koplin

An Analysis of the Journal Literature on Wyoming Mammals 272
Denise E. Casey and Tim W. Clark

The Sage Vole, **Lagurus curtatus,** as an Inhabitant of Subalpine Sheep Fescue, **Festuca ovina,** Communities on Steens Mountain—an Observation and Interpretation 276
Chris Maser and Gerald S. Strickler

Upper Lethal Water Temperature Levels for English Sole (**Parophrys vetulus**) and Rock Sole (**Lepidopsetta bilineata**) Subjected to Gradual Thermal Increases 285
Warren E. Ames, John R. Hughes, and George F. Slusser

Distribution and Survival of Mallards Banded at Malheur National Wildlife Refuge 292
Robert L. Jarvis and Sean B. Furniss

Number 4 (November)

The Vertical Distribution of Needles and Branchwood in Thinned and Unthinned 60-Year-Old Lodgepole Pine 303
Howard L. Gary

Bryophyte Communities of Central Idaho Forests 310
Alma Steele

Reproduction, Growth, and Development of the Mountain Beaver (**Aplodontia rufa pacifica**) 323
Bill P. Lovejoy, Hugh C. Black, and Edward F. Hooven

A Floristic Survey of a Subalpine Meadow on Mt. Wright, Glacier Bay National Monument, Alaska 329
Craig D. Sandgren and Mark G. Noble

Inferred Holocene Temperature Changes in the North Coast Ranges of California 337
Richard W. Casteel and Constance K. Beaver

The Occurrence of Neotenic Rough-skinned Newts (**Taricha granulosa**) in Montane Lakes of Southern Oregon 343
Michael S. Marangio

Sherman Glacier Vegetation 351
Mark G. Noble

Uptake of Mercury from Soils by Western Wheatgrass Seedlings 358
Edward R. Landa

Habitat Preference and Dispersion of Nuttall's Cottontails 363
Donald O. McKay and B. J. Verts

Association News 369